BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the work of Construction of RCC drain at Chikkabommasandra cross roads in ward No- 04.

Estimate Cost Rs. 1000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	for RCC drain CBS 2nd B main road		1	30.00	1.00	1.00	30.00		
	2nd B Cross road		1	100.00	1.00	1.00	100.00		
	culvert		1	6.00	1.50	1.00	9.00		
							139.00	**200.34**	**27847.00**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				**139.00**	**85.65**	**11905.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 6%	4.85							
	Total	**85.65**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17	Cum							
	for RCC drain		1	30.00	1.00	0.15	4.50		
			1	100.00	1.00	0.15	15.00		
			1	6.00	1.20	0.15	1.08		
							20.58	**5159.02**	**106173.00**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	for RCC drain bed		1	30.00	0.90	0.15	4.05		
	side walls	1x2	2	30.00	0.15	0.75	6.75		
			1	100.00	0.90	0.15	13.50		
		1x2	2	100.00	0.15	0.75	22.50		
	for culvert		1	6.00	1.20	0.23	1.66		
	side walls	2x1	2	6.00	0.23	0.90	2.48		
	deck slab		1	6.00	1.20	0.23	1.66		
							52.60	**6371.66**	**335124.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	for RCC drain 70 kg/cum		0.700	46.80			32.76		
	for culvert 90 kg/cum		0.900	5.80			5.22		
				52.60			37.98	5605.00	212858.00
	Basic Rate	5605.00							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2016-17	sqm							
	for rcc drain	1x4	4	30.00		0.75	90.00		
		1x4	4	100.00		0.75	300.00		
	culvert	1x4	4	6.00		0.90	21.60		
	deck slab		1	6.00	0.60		3.60		
		1x2	2	6.00		0.23	2.76		
		1x2	2	1.20		0.23	0.55		
							418.51	310.58	129981.00
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	**310.58**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	RCC Precast covering slab for ...in (10cm thick)	sqm							
			1	30.00	0.75		22.50		
			1	81.00	0.75		60.75		
	Rate Approved by BBMP	**2100.00**					**83.25**	**2100.00**	**174825.00**
	Miscellaneous charges								
									1287.00
								Total	**1000000.00**

(Rupees Ten Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramalingeerich AE
Assistant Engineer

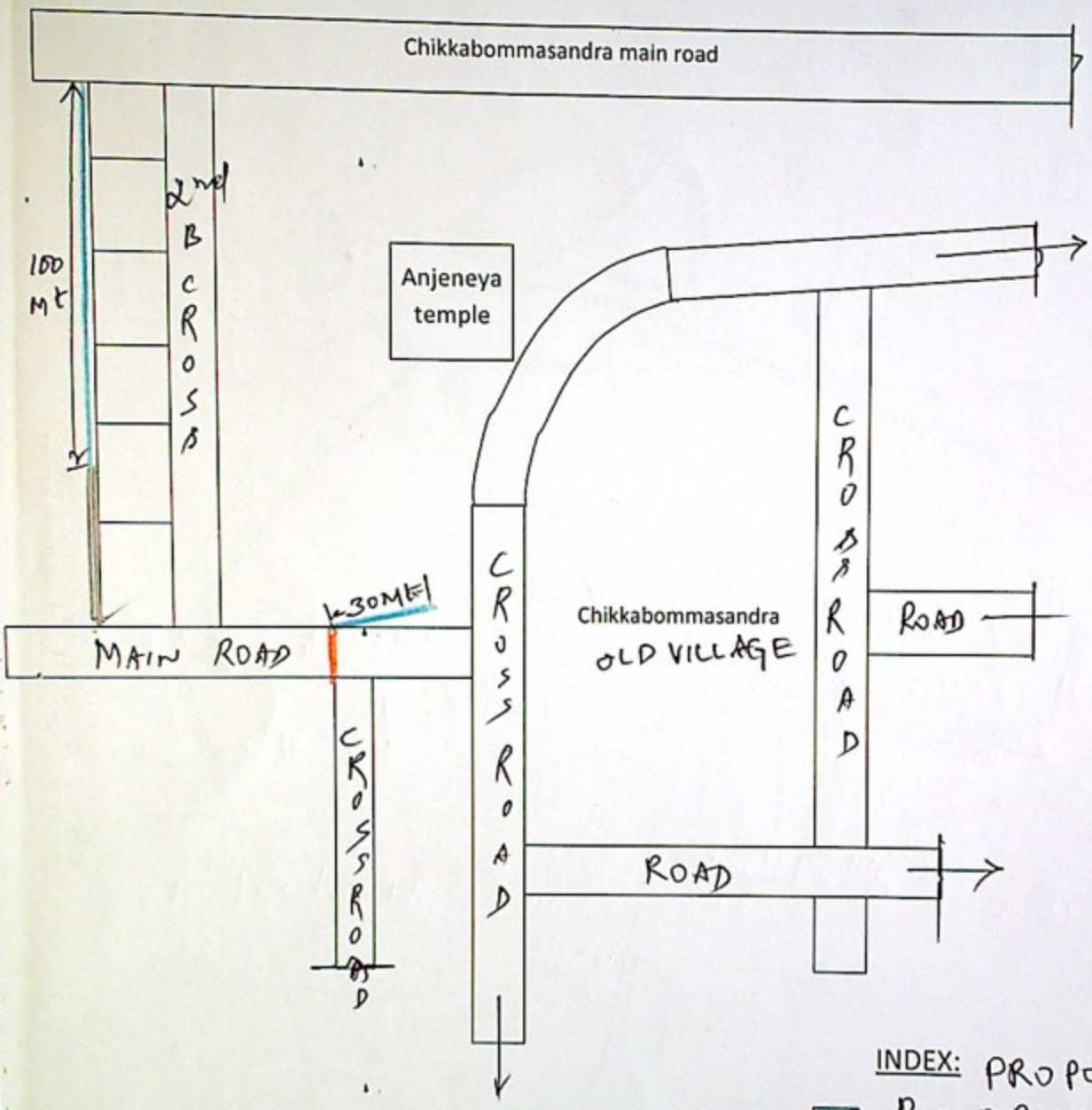
Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 10.00 lacs
Ten Lakhs only
is accorded under head P.1771 – 2016-17
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. EE/AA/65/16-17 Dt. .....
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 lacs
Rupees Ten Lacs only
Under P.1771-16-17
Registered as CE ( ) No. 9 9
Subject to conditions contained in enclosed memo EE ( ) No. 19
Dt. ..... Estimate A/ Sanctioned No. EE/TS/100/16-17
Dated 16-2-17 Rs. 10.00 lacs
Executive Engineer

NAME OF WORK :- CONSTRUCTION OF RCC DRAIN @ CHIKKABOMMASANDRA CROSS ROAD IN WARD 04



INDEX: PROPOSED.

RCC DRAIN

CULVERT

A.E. Ramanjeeviah.

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

A.E.E.